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SLT-A65VL

Best of both worlds, 24.3 megapixel and up to 10 fps. Get action photos, HD Movies and Live View shots that other cameras miss, thanks to Sony's exclusive Translucent Mirror Technology. Enjoy smooth and creative HD video at full 1920 x 1080 resolution – at either 60p or 24p frame rate - plus the world's first OLED electronic viewfinder.[2]

Key Features

2nd Generation Translucent Mirror Design

Other DSLRs can shoot. Or they can focus with the speed and precision of Phase Detection AF. They cannot do both at once. Sony changes all that with the award-winning Translucent Mirror Technology system. It directs light to both the image sensor and the Phase Detection AF sensor simultaneously.

24.3 MP; best-in-class resolution[2]

You get incredible detail and gorgeous enlargements thanks to an APS-C sensor with 24.3 megapixels. It's the worlds's first 24.3MP APS-C DSLR.

Ultra-fast up to 10 fps continuous

The translucent mirror makes it far easier to capture the decisive soccer kick or your baby at her absolute cutest. Shoots up to 10 frames per second at full-resolution 24.3 megapixels with continuous auto focus (AE locked after first frame).

World's first OLED viewfinder[2]

There's never been anything quite like the Tru-Finder™ OLED electronic viewfinder. For size, speed and brightness even after sunset, this is a gem. It begins with 2359K dots for amazing resolution and high contrast ratio for incredible depth. OLED reduces motion blur to a bare minimum. You can also see the results of camera adjustments in real time with superb color and detail.

HD Movies at 60p, 60i, or 24p[4]

Capture spectacular HD Movies[4]. This is the world's first DSLR to offer a choice of super-smooth 60p, standard 60i or cinematic 24p, all at Full HD 1920x1080 resolution. AVCHD™ Progressive codec delivers stunning picture quality. MP4 codec offers smaller files for easier upload to the web.

HD movies with full manual control[4]

Now you don't need to surrender control when you shoot HD movies.[4] Enjoy the full expressive potential of Program, Shutter Priority, Aperture Priority or Manual (P/A/S/M) control in HD movie mode.

Full-time Phase Detection AF

You get fast, accurate auto focus in every mode—even HD Movie and Live View—thanks to Sony's exclusive Translucent Mirror Technology. While Contrast Detection Auto Focus often hunts for correct focus, Phase Detection AF knows exactly where correct focus is, and goes straight for it.

Full-Time Live View in LCD or EVF

You can use both the LCD monitor and OLED Electronic Viewfinder for composing shots in Live View. Both provide a what-you-see-is-what-you-get preview of white balance, focus, depth of field, exposure and 100% framing accuracy, plus informative on-screen displays.

World's shortest release time lag[3]

Helps ensure that the image you want is the image you get. Once auto focus occurs, release time lag is the delay between fully pressing the shutter release and when the camera actually starts taking the picture. Long lag makes it harder to capture fast-moving objects. The Sony A65 boasts the world's shortest release time lag at only 0.05 seconds.[3]

Object Tracking AF

Locks onto a specified object and maintains focus even as the subject moves. Unpredictable subjects stay in focus even while zooming. You can concentrate on composition without worrying about focus.

6-image layering

Leverages the fast BIONZ® processor to capture six images in a fraction of a second, and then combine the data. The result is one incredible single image that gets a cleaner result in Multi-Frame NR mode or sharper nighttime pictures in Hand-held Twilight mode.

Multi-frame NR

Experience incredible low-light shooting without a flash. The camera captures six images in a fraction of a second. Combining the data from all six, it creates a single image with a reduction in noise equivalent to two additional steps of ISO sensitivity. Sensitivity selectable up to ISO 25600. (Recommended for still subjects.)

Handheld Twilight mode

Get gorgeous shots at night without a tripod. Combines six frames into a single image for smooth, low-noise evening shots. (Recommended for still subjects.)

Auto HDR built into camera

Captures more scene dynamic range than a single exposure can handle—and more range than photo film. Combines the best highlight detail from one shot, the best mid-tones from a second and the best shadow detail from a third for one incredible shot. (Recommended for still subjects.)

3D Sweep Panorama™ Mode

Capture vast scenic vistas and 16:9 shots in spectacular 3D. As you sweep across the panorama, the camera records separate right-eye and left-eye images that make landscapes come alive on your 3D television[1]. Records both JPEG and MPO file formats.

Sweep Panorama™ Mode

Capture expansive landscapes automatically. Press the shutter, sweep vertically or horizontally. The camera does the rest, continuously shooting images and stitching them together.

Shot Result Preview

See the results before you take the shot. This preview takes the guesswork out of camera settings by showing the effects of the aperture, shutter and DRO settings on the depth of field, motion and dynamic range.

Tilt/swivel LCD screen

Tilt it up or down to frame high- and low-angle shots that would otherwise be hit-or-miss. Tilt and swivel under the camera for self-portraits. Finally, the monitor folds flush to the camera with the LCD exposed for shooting or protected for travel.

921K dot TruBlack™ LCD screen

Sony's 3.0-inch Xtra Fine LCD™ monitor has 921K dots for superb resolution. The TruBlack™ screen includes a special resin layer to suppress internal reflections, increasing contrast compared to conventional LCDs. Sunny Weather mode boosts visibility even further.

Main Sensor Quick AF Live View

Combines the fast focus of Phase Detection AF with high quality Live View images right from the main sensor. This is made possible by Sony® Translucent Mirror Technology. You get accurate images and 100% framing on the LCD monitor or eye-level viewfinder.

ISO 16000 sensitivity

Incredibly clear low-light pictures without sacrificing detail, made possible by the low-noise Exmor™ APS HD CMOS image sensor and refined BIONZ® image processor.

AUTO+ (Advanced Auto) mode

Get cleaner, more dynamic pictures and fewer missed shots. Unifies and simplifies Sony intelligent technologies. The camera automatically recognizes the correct scene mode.

Graphic Display

Clarifies the relationship between aperture and shutter speed, as well as the effect each has on photographic results.

Upgraded BIONZ® image processor

The brain of the camera is a Sony's BIONZ® image processor substantially upgraded for the demands of 24.3 megapixel photography. Chroma noise reduction delivers high-resolution, low-noise photos even at ISO 16000. Also enables fast processing for up to 10 fps continuous shooting of data-intensive 24.3 MP images, 2D/3D Sweep Panorama™ modes and 6-image layering.

Dynamic Range Optimizer (DRO)

Improves results with backlit subjects and recovers details hidden in shadows. Settings include Auto, Level with a choice of five operating levels and Off.

1200-Zone exposure metering

Reads exposure directly from the main image sensor. Choice of Multi, Center and Spot metering accommodates a full range of shooting situations.

SteadyShot INSIDE™ stabilization

Image stabilization reduces blur by compensating for camera shake. Typical DSLR systems build image stabilization into selected lenses only. SteadyShot INSIDE™ image stabilization is built into the camera body itself. You'll reduce blur with every A Mount lens, including macro and wide-aperture standard zoom lenses.

HDMI® output for HD viewing[6]

Enjoy HD movies and stunning still images on a compatible HDTV.[6] The camera includes an HDMI® output. In addition, the BRAVIA® Sync system works with compatible Sony® BRAVIA HDTVs enabling you to control camera playback using the television's remote[7].

Up to 560 Shots of battery life[8]

Take up to 560 shots on a single charge with Sony® Stamina™ battery power.[8] Sony's InfoLITHIUM® battery system enables you to see the percent of power remaining, so you can keep shooting in confidence.

P/A/S/M exposure modes

The camera offers a full range of controls from the beginner's AUTO+ mode to P/A/S/M: Program, Aperture Priority, Shutter Priority and Manual. On-screen prompts help you refine your skills, build your confidence and exercise greater creative control.

Advanced Anti-Dust Technology

Anti-Dust Technology helps keep the CMOS sensor clean, resulting in consistently clear pictures. First a static-free coating on the sensor's low-pass filter helps repel dust. Then vibration automatically dislodges dust from the sensor.

Built-in Flash (GN12)

To help you shoot more effectively, the camera includes a built-in flash (Guide Number 12) that can also trigger a wireless accessory flash (sold separately). The integrated hot shoe enables you to expand your lighting options with a range of accessory flashes (sold separately).

Slot for two media types

For cost-effective, convenient storage and sharing of your images, the camera accepts Memory Stick PRO Duo™/Memory Stick PRO-HG Duo™ and SD/SDHC/SDXC media (Class 4 or higher recommended, sold separately).

APS-C size HD CMOS image sensor

With 19.5 times the area of the typical camcorder image sensor, APS-C makes the difference between amateur and professional-looking video, delivering an exceptional combination of high resolution, high sensitivity and gorgeous, blurred backgrounds.

Sony® Exmor™ technology

Conventional image sensors use only a handful of analog-to-digital (A/D) converters, which can slow you down. The Exmor™ sensor provides more than 5,600 column-parallel A/D converters. This helps enable continuous shooting at up to 10 frames per second.

11 Picture Effect modes

Discover innovative ways to make your images and videos pop. These include Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (Red, Green, Blue, Yellow), Soft High-key, High Contrast Monochrome, Toy Camera, Soft Focus, HDR Painting, Rich-tone Monochrome, and Miniature.

Face Detection and Registration

The camera can automatically detect up to eight individual faces and adjust focus, exposure, white balance and flash to help deliver crisp, properly lit images of people. Can prioritize children or adults. Face Registration can remember friends and family members and prioritize them.

Smile Shutter™ technology

Captures a smile the moment it happens. Simply select the Smile Shutter™ mode and the camera takes the picture automatically. You can prioritize children or adults and adjust the smile sensitivity.

15-point Auto Focus

To maximize the value of Translucent Mirror Technology, Sony incorporates Phase Detection AF of great sophistication. 15 sensors with 3 cross sensors maximize precision for both vertical and horizontal subjects.

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Specifications

Camera	
Lens Compatibility	Sony A-mount lens
Camera Type	Sony A-mount interchangeable lens digital camera
Imaging Sensor	
Imaging Sensor	Exmor™ APS HD CMOS sensor (23.5 X 15.6mm)
Processor	BIONZ™ image processor
Anti Dust	Charge protection coating on Low-Pass Filter and electromagnetic vibration mechanism
Pixel Gross	Approx. 24.7 megapixels
Effective Picture Resolution	Approx. 24.3 megapixels
Focal Length Conversion Factor	1.5x
Color Filter System	RGB primary color filters
Recording	
Media Type	Memory Stick PRO Duo™/Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Color Space	sRGB, AdobeRGB
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Size 16:9	L size: 6000 x 3376 (20M) M size: 4240 x 2400 (10M) S size: 3008 x1688 (5.1M)
Still Image Size 3:2	L size: 6000 x 4000 (24M) M size: 4240 x 2832 (12M) S size: 3008 x 2000 (6M)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M) Horizontal Std.: 8,192 x 1,856 (15M) Vertical Wide: 2,160 x 5,536 (12M) Vertical Std.: 2,160 x 3,872 (8.4M) 3D Sweep Panorama: Horizontal Wide: 7152 X 1080 (7.7M) Horizontal Std.: 4912 X 1080 (5.3M) 16:9: 1920 X 1080 (2.1M)
Video Format	AVCHD / MP4 (MPEG-4 AVC (H.264))
Video Mode	AVCHD: PS - 1920 x 1080/60p@28Mbps FX - 1920 x 1080/60i@24Mbps FH - 1920 x 1080/60i@17Mbps FX - 1920 x 1080/24p@24Mbps FH - 1920 x 1080/24p@17Mbps MP4: HD - 1440 x 1080/ 30p@12Mbps VGA - 640 x 480/ 30p@3Mbps
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3format), 3D MPO (MPF Extended compliant)
Optics/Lens	
Lens Type	A-mount 18-55mm zoom lens
Lens Mount Type	Sony A-mount
Aperture (Max.)	f/3.5 - 5.6
Aperture (Min.)	f/22 - 36
Focal Length (35mm equivalent)	APS-C 35mm eqv. 27mm to 82.5mm
Filter Diameter	55mm

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Lens Groups-Elements	8 elements, 7 groups
Minimum Focus Distance	0.82ft (0.25m)
Aperture Blade	7 blades (Circular aperture)
Aspheric Elements	2
Lens Weight	7.4 oz (210g)
Viewfinder	
Type	0.50" XGA OLED EVF (Electronic viewfinder) (2,359k dots)
Diopter Adjustment	-4.0m^{-1} to +3.0m^{-1}
Field of View	100%
Magnification	1.09x (with 50mm lens at infinity, -1m^{-1})
LCD Display	
LCD Type	3.0" TFT Xtra Fine™ LCD (921,600 pixels)
Angle Adjustment	Tilt angle: Down: Approx. 180 degrees Rotation angle:180 degrees counterclockwise and 90 degrees clockwise.
Brightness Control	Auto, Manual (5 steps between -2 to +2)
Coverage	100%
Live View	Continuous Live View (LCD/EVF Auto, selectable)
Real-time image adjustment display	Yes(On/Off)
Histogram	Yes (On/off)
Grid Display	Yes (On/off)
Customization	Grid, Histogram display, Digital Level Gauge, Grid Line, Magnified display for playback
Focus Control	
Focus System	TTL phase detection AF (CCD line sensors)
Focus Points	15 points (3 points cross type)
AF Modes	Single-shot AF(AF-S), Continuous AF(AF-C), Automatic AF(AF-A) selectable, Manual Focus
Focus Area	Wide (auto,15 points)/Zone/Spot/Local selectable
Focus Sensitivity	EV -1 to 18 EV (at ISO100 equivalent, with F2.8 lens attached)
Focus Features	Predictive control(AF-A, AF-C), Focus Lock, Eye-start AF
AF Illuminator	Built-in LED, Range: approx. 3' - 15' (1m-5m)
Exposure System	
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	-2EV to 17EV (at ISO 100 equivalent w/ f/1.4 lens)
Exposure Compensation	+/-3.0EV 1/3EV steps)
Exposure Settings	AUTO,AUTO Advanced (AUTO+), Scene Selection (SCN), Sweep Panorama, 3D Sweep Panorama (3D), Continuous Advance Priority AE (10fps), Movie, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M)
Scene Mode(s)	Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight
Picture Effect(s)	11 types (15 variations): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature
D-Range Optimizer	Yes: (Auto, Level, Off)
Auto Exposure Lock	Yes (AE Lock button)
Color Temperature	2500 - 9900 k with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7)
Creative Style	Standard, Vivid, Portrait , Landscape, Sunset, Black White, (Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps))
Exposure Bracketing	Bracket: Cont./Bracket: Single, /1/3EV, 2/3EV increments, 3 frames
ISO	Auto (ISO 100-1600); Selectable ISO100 - 16000 equivalent

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Noise Reduction	Long Exposure NR: (On/Off, available at shutter speeds longer than 1 second) High ISO NR: (High/Normal/Low)
White Balance Mode	Auto,Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White) , Flash, Setting the color temperature, Color Filter, Custom
Drive System	
Burst Buffer	JPEG Standard (18 shots) JPEG Fine (17 shots) RAW (13 shots) RAW+JPEG (11 shots)
Continuous Shooting Speed	Continuous (Hi: up to 8fps,Low: up to 3fps) Continuous Priority AE (10fps)
Drive Mode	Single-shot, Continuous shooting (Hi/Lo selectable), Self-timer (10/2 sec delay selectable), Bracket (Continuous/Single/WB), Remote commander (RMT-DSLR1 Sold Separately)
Self-timer	2-sec. or 10-sec. delay,
Shutter Speeds	1/4000 to 30 seconds, bulb
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter
Flash	
Flash Compensation	±2.0EV 1/3EV steps
Flash Coverage	FOV coverage up to 18 mm (in the focal length)
Recycling Time	Approx. 3 sec.
Flash Bracketing	0.3/0.7EV steps, 3 frames
Flash Metering System	ADI flash / Pre-flash TTL
Flash Modes	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless, Off
Flash Type	Built-in, Pop-up Auto
Guide Number	10 (in meters at ISO100)
Advanced Features	
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)
Embedded GPS	Yes
Sweep Panorama	Horizontal (Wide/Standard), Vertical, and 3D Panorama
Face Detection	On/On (Regist. Faces)/Off
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Image Stabilization	SteadyShot INSIDE in-body image stabilization
Interface	
Accessory Shoe	Yes (Alpha)
BRAVIA® Sync™	Yes, via HDMI with compatible BRAVIA HDTV
DVDirect	Yes, via USB
HD Output	HDMI (TypeC mini)
Memory Card Slot	Dual compatibility slot: Memory Stick PRO Duo™/Pro-HG Duo™/PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card
PhotoTV HD	Yes, with BRAVIA Sync™ enabled HDTV and HDMI® cable
USB Port(s)	USB2.0 Hi-speed (mass-storage, MTP)
Weights and Measurements	
Dimensions (Approx.)	Approx. 5-1/4 × 3-7/8 × 3-1/4" (132.1 x 97.5 x 80.7mm) (W/H/D) excluding protrusions
Weight (Approx.)	Approx. 1 lb 3.1 oz (543g) (excl battery, lens media) Approx. 1 lb 5.9 oz (622g) (w/battery media)
Power	
Battery Type	InfoLITHIUM® NP-FM500H (7.2V)
Number of Still Images	Approx. 510 images with viewfinder, 560 images with LCD monitor (CIPA standard)
Software	

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Supplied Software	PMB (Picture Motion Browser) v5.2; Image Data Converter SR v3.2; Image Data Lightbox SR v2.2
Operating System Compatibility	Windows XP SP3 (32-bit), Windows Vista SP2, Windows 7 SP1; Mac OS X (v10.3-10.6), PMB is not compatible with Mac OS. Camera (via USB), Image Data Converter, and Image Data Lightbox software are compatible with Mac OS.
Service and Warranty Information	
Limited Warranty Term	1 Year Parts Labor
Accessories	
Supplied Accessories	Kit lens (SAL18552) Lens cap Battery Charger Rechargeable Battery (NP-FM500H) Shoulder Strap Body Cap USB Cable CD-ROM

1. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold sep.
2. Among interchangeable lens cameras with APS-C size sensors as of August 2011.
3. Among DSLRs.
4. Records in 29 minute segments
6. Requires HDTV and HDMI® cable sold sep.
7. Compatible with BRAVIA® Sync or Theatre Sync™ HDTVs connected via HDMI®.